1383
15

INDEX.

PAGE

Abethell, Miss, Thunderstorm of July 22nd, 1907 131
Aerial Navigation 174
Aeronautical Society, Kite display of the 127
Aitken, J., LL.D., F.R.S., Hygroscopes 187
Alps as a Weather Divide, The . 181
Amery, P. F. S., Rainfall at Ashburton (review) 76
April, 1907, The Gloom of, 90; The Rainfall of..... 69
August Shooting Stars 158
Aurora Borealis on February 9th.. 34
Australian Meteorological Bureau 223
Austria, The Past Winter in 71
Backhouse, T. W., Maximum and Minimum Temperatures 112
Baden-Powell, Maj. B. F. S., on The Exploration of the Air, 37, 50; Science Year Book for 1908 (review)..... 239
Ballooning and Aeronautics..... 57
Bates, Rev. D. C., The Study of Weather Phenomena.....177, 198
Belper, Weather of June, 1907, at 114
Ben Nevis, Meteorological Observations on 153
— Observatories, 130; Dr. A. Buchan and the, by R. T. Omond 106
Bentley, Col. W. A., Thunderstorm of July 22nd, 1907... 133, 217
Bentley, R., Intermittent Sunshine of June, 1907, 113; on Weather in Warfare, 8; Notes on 1907 235
Black Mountains, Rain Gauges on the, by Rev. R. P. Dansey 91
Bonacina, L. C. W., A Representation of the Temperature Cycle, 191; Aurora Borealis on February 9th, 34; Causes and Effects of Atmospheric Electricity, 169; Fog on November 11th and 20th, 217; Japanese Meteorological Observations in China and Korea, 55; on Weather as a function of Climate, 71; Solar Activity and Weather, 36; Snowstorm of Christmas, 1906 234

PAGE

Bouverie, Miss A. P., Thunderstorm of July 21st, 1907..... 130
Boys, Rev. H. A., Protracted Drought in Mid-Wessex, 54; Solar Halo on January 4th ... 14
Brine, Rev. A. L., Thunderstorm of July 30th, 1907 132
British Association at Leicester, 123, 151
British Rainfall, 1906..... 160
Brocken, The Spectre of the... 176, 197
Brook, C. L., Heavy Rain of October 16-17, 1907, 195; High Barometer..... 12
Buchan, Dr. A. (obituary), 77, 103, 129; and the Ben Nevis Observatories, 106; Thunderstorms in Scotland 49
Butterfly-Hygroscope, The 3
Buxton, June, 1907, at 113
Capper, Col. J. E. 87
Casella, Messrs. C. F., and Co. ... 223
Child, W., on the "Step" Anemometer 128
China & Korea, Japanese Meteorological Observations in 55
Christie, Sir W. H. M., K.C.B., M.A., F.R.S., Reduction of Greenwich Meteorological Observations (review) 76
Chrystie, Col. G., Snow in June... 87
Clark, J. E., Rainfall at York and Solar Cycles, 32, 57; The Gloom of April, 1907, 90; The Windrush at Biggin (review).. 221
Claxton, T. F., Rainfall at Durban and Mauritius (review) 238
Climatological Outfit, A simple ... 138
— Tables for the British Empire, 20, 42, 62, 64, 82, 102, 122, 146, 166, 186, 208, 228, 248
Cloud-form, A rare..... 177
Cook, J., Rain Registration in Mysore for 1905 (review), 77; for 1906 (review) 221
Cooke, W. E., Meteorological Observations in Western Australia in 1904 (review) 74
Cosgrave, A. H., The Spectre of the Brocken 176
Curtis, R. H., The Distribution of Bright Sunshine 147

PAGE

Curve Diagrams, Qualitative Analysis of, by W. Krebs..... 27
Dansey, Rev. R. P., Rain Gauges on the Black Mountains, 91; Thunderstorm of July 22, 1907 131
Darton & Co., Messrs. 181
Daylight, Available 243
De Bort, L. Teisserenc 202
Denning, W. F., Audible Meteors, 10, 34; August Shooting Stars, 158: September's Summer, 175; Summer Snow and Frost, 111; Wanted! A Name 236
Dines, W. H., F.R.S., Report of the Kite Committee, 153, 215; The Energy of Storms 88
Doberck, Dr., Retirement of... 77, 203
Drought in Mid-Wessex, 54; of September, 1907 .... 167, 175
Druce, F., Weather Recording ... 29
Edinburgh, Temperature of 49
Elderton, W. Palin, On Modern Methods of Treating Observations 151
Electricity, Causes and Effects of Atmospheric, by L. C. W. Bonacina 169
Eliot, Sir John, Anemographic Observations at Rangoon, Chittagong and Allahabad (review) 220
Ellis, W., F.R.S., Greenwich Air Temperature... 209
Energy of Storms, The 67, 88
Errata..... 141, 243
Euxine, Waterspout in the, by Capt. R. Page 46
Evaporation in Desert conditions.. 139
Exner, Dr. Felix M., Grundzüge einer Theorie der synoptischen Luftdruckveränderungen ... 73, 219
Exploration of the Air, The ... 37, 50
Field, J. A., Preparations for determining the conditions of the Upper Air in India by means of Kites (review) 221
Figg, F. G. 203
Firth, J., Suggested Terminology. 159
Fog Densities, Apparatus for measuring..... .. 87
— on November 11th and 20th ... 216
Foil Hygroscope, The..... 126
Formation of Fog and Gloom, Rapid 53, 112
Franco-British Exhibition, The ... 223
Frog's Ladder, The..... 63
Garriott, Prof. E. B., Cold Waves and Frost in the United States 75
Gebhardt, W. F., Radiation Phenomena in South Africa 84

PAGE

Glossop Moor, Meteorological Observations on 152, 153
Godden, W., Local Storms 134
Goetz, Rev. E., Meteorological Observations at Bulawayo ... 74
Gold, E., on Thermodynamics of the Atmosphere 242
Green Flash, The 235
Greenwich Air Temperature, by W. Ellis, F.R.S. 209
— Summer of 1907, The..... 196, 218
— The Weather at, in May, 1906 and 1907..... 89
Grieve, N. W., Tropical Rainfall... 36
Gulf Stream, Temperature and the 71
Hailstones 197
Hall, Maxwell, The Green Flash.. 235
Hall, T. Lambert, Solar Halo on January 4th 14
Halo, Solar, on January 4th, 13; on January 26th, 12; on February 6th 35
Hann, Dr. J., Golden March Dust, 157; Meteorologische Zeitschrift: Hann-Band, 75; The past Winter in Austria 71
Hellmann, Dr. G., 161; Regenkarte von Deutschland (review), 222; Verwandlung von Fahrenheitgraden in Centesimalgraden (review), 94; and Prof. H. H. Hildebrandsson, InternationaleMeteorologische Kodex (review)..... 220
Henry, Prof. A. J., Climatology of the United States (review) 56
Hepites, M. St. C., Retirement of 97
Hepworth, Capt. M. W. Campbell, Notes on Maritime Meteorology (review)..... 222
Herrmann, Prof. Dr. E., Ueber tatsächliche vieltägige Perioden des Luftdruckes (review) 221
Herschell, Prof. A..... 87
Hildebrandsson, Prof. H. H., and Dr. G. Hellmann, Internationale Meteorologische Kodex ... 220
Holmes, R. L., on Phenomenal Rainfall in Suva 70
Hooker, Dr. C. P., on Rainfall and depth of Water in Well... 128
Horner, D. W., Observing and Forecasting Weather (review). 180
Hunt, H. A..... 223
Hunter, J., Weather of June, 1907, at Belper 113
Hurnard, S. F., Thunderstorm of July 10th, 1907 130
Hygroscopes, by J. Aitken, LL.D.. 187

PAGE

India, Conditions of the Upper Air in 139
Innes, R. T. A., Rain Gauge exposure in the Transvaal..... 21
International Council for the Study of the Sea, The 117
— Meteorological Committee, The 203
Investigations of the Upper Atmosphere, International ... 141, 154
Inwards, R., on the Metric System in Meteorology, 31; Weather Whims 3, 63, 126
Jamaica, Meteorological Service in 231
January, 1907, The High Barometer of, by R. G. K. Lempfert 1
Jordan, J. B., Sunshine Recorders, 52, 135
July, 1907, Thunderstorms 130, 134, 158
July 22nd, 1907, Thunderstorm of, by Col. W. A. Bentley ... 133, 217
June, 1907, Intermittent Sunshine of, 113; Rainfall of, 114; Snow in, 87, 111; Temperature of, 107, 112, 113, 114
Karslake, L., Rain of October 16-17, 1907..... 196
Keildsen, F. T., junr., The Weather of June, 1907, at Buxton. 113
Kite Committee, Report of the, 153, 215
— Display of the Aeronautical Society 127
Kitto, E., Sunshine Recorders..... 13
Klondike, Rain-making Experiments in the..... 29
Krebs, W., Qualitative Analysis of Curve Diagrams 27
Krümmel, Prof. O., Cold in Scotland on October 8th, 194; Handbuch der Ozeanographie (review) 238
Lander Recording Rain Gauge ... 4, 37
Latham, T. W., Rain of October 16-17, 1907..... 196
Lempfert, R. G. K., The High Barometer of January, 1907... 1
Lloyd, R. Lewis, Thunderstorm of July 21st, 1907..... 131
Lovibond, J. W., on Apparatus for Measuring Fog Densities.. 87
Lyle, J., Radiation Phenomena in South Africa..... 84
Lyons, Capt. H. G., F.R.S., The Physiography of the Nile and its Basin (review) 95
Macdowall, A. B., Greenwich Summer of 1907, 197, 218; Relation between Spring and the following Summer, 115; Wanted! a Name, 176; Warm and Cold Seasons 89

PAGE

Machin, W. G., Dry first quarter of 1907 112
Mallock, A. D., Rain of October 16-17, 1907..... 196
March and June, 1907, Temperature of 112
March Dust 135, 157
Marriott, W., International Investigation of the Upper Atmosphere, 154; Presentation to.. 15
Mawley, E., on Phenological Observations for 1906 31
May, 1906 and 1907, The Weather at Greenwich in 89
Meteorological Breakfast, 1907 ... 123
— Committee, The International.. 203
— Exhibit at Lincoln..... 140
— News and Notes...15, 37, 57, 77, 117, 140, 161, 181, 202, 223, 242
— Notes on the Months...19, 41, 61, 81, 101, 121, 145, 165, 185, 207, 227, 247
— Observations at British Kite Stations, 215; on Ben Nevis, 153; on Glossop Moor, 1906-7 152
— Office, 202; Appointments, 141; New Premises for the..... 85
— Register 97
— Service in Jamaica..... 231
— Society, Royal, 8, 31, 37, 50, 70, 86, 128, 140, 215, 232; Dinner of the 109
— Society, Scottish 48, 129
Meteorology, Dynamical, Lectures on, 37, 57; Readership in ... 6, 15
— The Metric System in 31
— The Teaching of Elementary... 223
Meteors, Audible 10, 34
Methods of Treating Observations, Modern 151
Metric System in Meteorology, The 31
Mill, Dr. H. R., on Distribution of Rainfall, 242; on "Rain," 181; on The Standard Rain Gauge 86
Mill, Mrs. H. R, Thunderstorm of July 22nd, 1907 131
Moore, Sir J. W., M.D., The Climatology of Ireland in relation to Public Health (review) 221
Moore, Willis L., Report of the Weather Bureau for 1907 (review) 241
Murray, H. B., The Cold June of 1907 113
Nash, W. R., Thunderstorm of July 21st 158
Negretti & Zambra, Messrs..... 138
Newbigin, Miss M., on The Study of Weather 243

PAGE

Newman, T. P., October, 1907 ... 218
November 11th and 20th, Fog on.. 216
OBITUARY :—
Buchan, Dr. Alexander, F.R.S. 77, 103
Paulsen, Adam F. W. 7
Phillpott, J. Montague..... .. 141
Von Bezold, Prof. Wilhelm ... 83
Oceanographical Laboratory, An.. 15
October, 1907, Rainfall of ... 189, 218
October 8th, 1907, Cold Snap in Scotland on, 194 ; 16-17, 1907, Heavy Rain of 195
Omond, R. T., Dr. A. Buchan and the Ben Nevis Observatories, 106 ; on Variations of Temperatures in Edinburgh..... 49
Ozone 218
Page, Capt. R., Waterspout in the Euxine 46
Parbury, A. F., Comparison of Seasons, 135 ; The Weather at Greenwich in May, 1906 & 1907 89
Pastorelli and Rapkin, Messrs. ... 181
Paulsen, Adam F. W. (obituary).. 7
Peel, Turnor, Ozone, 218 ; The Sunshine Recorder 175
Pernter, Dr. J. M. and Dr. G. Hellmann, Meteorologische Zeitschrift: Hann-Band (review)... 75
Petavel, J. E., F.R.S., Meteorological Observations at British Kite Stations, 215 ; at Glossop Moor 152, 153
Phenological Observations for 1906 31
Phillpott, J. M. (obituary) 141
Pressure, Diurnal Variations of ... 11
Pring, T. V., Meteorological Observations at British Kite Stations, 215 ; at Glossop Moor.. 152
Radiation Phenomena in South Africa 84
Rain Gauge exposure in the Transvaal, by R. T. A. Innes..... 21
Rain Gauge, The Standard 86
Rain Gauges on the Black Mountains, by Rev. R. P. Dansey.. 91
Rain-making Experiments in the Klondike 29
Rainfall and water in a well..... 128
— at York and Solar Cycles, by J. E. Clark, 32, 57 ; in Suva... 70
Rainfall, Monthly, 17, 18, 39, 40, 59, 60, 79, 80, 99, 100, 119, 120, 143, 144, 163, 164, 183, 184, 205, 206, 225, 226, 245, 246 ; of April, 1907, 69 ; of January to March, 1907, 112 ; of July, 1907, 130 ; of September and October, 1907, 181 ; of October, 1906—March, 1907, 43 ; of October, 1907, 189 ; of October 16-17, 1907, 195 ; of 1907, 229 ; Tropical..... 36
Reeves, Jesse. Solar Halo on January 4th 14

REVIEWS :—
Climatology in the United States, by Alfred Judson Henry 56
Grundzüge einer Theorie der synoptischen Luftdruckveränderungen, von Dr. Felix M. Exner 73
Meteorological Observations at Bulawayo, by Rev. E. Goetz 74
Cape of Good Hope. Report of the Meteorological Commission for 1904 74
Meteorological Observations in Western Australia, by W. Ernest Cooke 74
Meteorologische Zeitschrift. Hann-Band, Edited by Dr. J. M. Pernter & Dr. G. Hellmann 75
Cold Waves and Frost in the United States, by Prof. E. B. Garriott..... 75
Reduction of Greenwich Meteorological Observations. Part IV. Temperature of the Air, 1891 to 1905, by Sir W. H. M. Christie, K.C.B., M.A., F.R.S., 76, 237
Bericht über die Internationale Meteorologische Direktorenkonferenz in Innsbruck..... ... 76
Rainfall at Ashburton, by P. F. S. Amery 76
Meteorology in Mysore, 1905 ... 77
Report on Rain Registration in Mysore for 1905, by JohnCook 77
Verwandlung von Fahrenheitgraden in Centesimalgrade und umgekehrt. Von G. Hellmann 94
The Physiography of the Nile River and Basin, by Capt. H. G. Lyons, F.R.S. 95
Meteorological Observations at Stations of the Second Order, 1901 and 1902 96
Hourly Readings at Four Observatories in connection with the Meteorological Office 96
Gesammelte Abhandlungen aus den Gebieten der Meteorologie und des Erdmagnetismus, von Wilhelm von Bezold 116
Second Annual Report of the Meteorological Committee ... 179

PAGE

REVIEWS (*con.*)—
Observing and Forecasting the Weather, by D. W. Horner ... 180
Results of the Meteorological and Magnetical Observations made at the Royal Observatory Greenwich, in 1905, under the direction of Sir W. H. M. Christie, K.C.B. 219, 37
Hourly Readings at four Observatories in connection with the Meteorological Office, 1906... 219, 37
Grundzüge einer Theorie der synoptischen Luftdruckveränderungen, II. Mitteilung, von Dr. Felix M. Exner 219
Internationale Meteorologische Kodex. Von Dr. G. Hellmann und Prof. H. H. Hildebrandsson 220
Returns of Rainfall in Dorset for 1906, by H. Stilwell..... 220
Cornwall County Council Annual Report for 1906..... 220
Anemographic Observations at Rangoon, Chittagong and Allahabad, by Sir John Eliot, M.A., F.R.S., K.C.I.E. 220
Preparations for determining the conditions of the Upper Air in India by means of Kites, by J. A. Field, B.A. 221
Fourteenth Annual Report of Meteorology in Mysore, 1906, Rainfall Registration, 1906, by John Cook, M.A., F.R.S.E... 221
The Windrush at Biggin, by J. E. Clark, B.A., B.SC..... 221
Ueber tatsächliche vieltägige Perioden des Luftdruckes, von Prof. Dr. E. Herrmann 221
The Climatology of Ireland in relation to Public Health, by Sir J. W. Moore, M.D. 221
Notes on Maritime Meteorology, By Capt. M. W. Campbell Hepworth 222
Regenkarte von Deutschland, by Prof. Dr. G. Hellmann ... 222
Air Currents and the Laws of Ventilation, by W. N. Shaw, D.SC., F.R.S. 238
Handbuch der Ozeanographie, von Dr. Otto Krümmel 238
On the Connection between the Rainfall at Durban and Mauritius, by T. F. Claxton 239
Science Year Book and Diary for 1908. Edited by Major B. F. S. Baden-Powell 239

PAGE

Report of Committee on the Typhoon of Sept. 18th, 1906 240
The Errors of certain types of Minimum Thermometers, by B. A. Walter 241
Report of the Chief of the Weather Bureau, Washington, for 1907, by Willis L. Moore... 241
Ceylon Administration Reports, 1906. Part IV., Education, Science and Art 242
Rotch, A. Laurence 37
Russell, Spencer C., Hailstones, 197; Formation of Fog and Gloom, 53; Solar Halo, 36; Thunderstorm of June 1st, 1907 90
Scotland, Thunderstorms in..... 49
Searle, G., Temperature of March and June, 1907 112
Seasons, Comparison of..... 135
Selby, C.F., Rain of Oct. 16-17, 1907 196
September, 1907, Drought of.. 167, 175
September's Summer 175
Shaw, Dr. W. N., 15; Laws of Ventilation (review), 228; on Dynamical Meteorology, 37, 57; on Meteorological Organization 202
Smith, Dr. D. T., Storms and the Sources of their Energy 67, 88
Smyth, J., Thunderstorm of July 19th, 1907 130
Snow Gauge, Self-Registering..... 77
Snow in June 87
Snowstorm of Christmas, 1906, in Eastern Europe, The 234
Solar Activity and Weather 36
— Cycles, Rainfall at York and, by J. E. Clark 32, 57
South Africa, Radiation Phenomena in 84
Sparrow, H. C. B. 84
Spring and the following Summer, Relation between 115
Stanton, Miss, Thunderstorm of July 22nd, 1907 131
Stapleton, Rev. Philip, S.J., Thunderstorm of July 22nd, 1907... 132
"Step" Anemometer, The 128
Stevens, Miss C. O., The Sun as a Twinkling Star 157
Stilwell, H., Returns of Rainfall in Dorset for 1906 (review) ... 220
Storms and the sources of their Energy, by D. T. Smith, M.D. 67
Strachan, R., A rare Cloud-form, 177; Temperature and the Gulf Stream 71
Sturge, R. F., Drought of September, 1907, 175; March Dust... 135

	PAGE
Summer Snow and Frost	111
Sun as a Twinkling Star, The, by Miss C. O. Stevens	156
Sunshine of June, 1907, Intermittent, 113; over the British Isles, Distribution of, by R. A. Curtis	147
— Recorders	13, 52, 135, 175
Suva, Phenomenal Rainfall in	70
Symons Gold Medal, The	202
Symons's Meteorological Magazine	161
Symons, Dr. W. H., Thunderstorm of July 21st, 1907	130
Teaching of Meteorology, The	223
Temperature and the Gulf Stream	70
— Cycle, A Representation of the, by L. C. W. Bonacina	191
— in Edinburgh, Variations in	49
— Maximum and minimum 72, 112,	236
— Monthly, 16, 38, 58, 78, 98, 118, 142, 162, 182, 204, 224, 244; of June, 1907, 107; of March and June, 1907	112
Terminology, Suggested	159
Thunderstorm of July 22nd in South-east Clare, by Col. W. A. Bentley, 133, 217; of June 1st, 1907	90
Thunderstorms in Scotland	49
— of July, 1907	130, 158
Todd, Sir C., Retirement of	15
Tomson, Rev. J., Thunderstorm of July 21st, 1907	131
Transvaal, Rain Gauge exposure in the, by R. T. A. Innes	21
Van Bebber, Prof. W. J.	117
Vienna, Geographical Society of	15
Von Bezold, Professor Wilhelm, Gesammelte Abhandlungen aus den Gebieten der Meteorologie und des Erdmagnetismus (review), 116; (obituary)	83
Walker, A. O., Rapid formation of Fog and Gloom	112
Walter, B.A., Errors of Thermometers (review)	241
Warm and Cold Seasons	89
Waterspout in the Euxine, by Capt. R. Page	46
Watt, A.	97
Weather and Crops	128
— as a function of Climate	71
— in Warfare	8
— Phenomena, The Study of, by Rev. D. C. Bates	177, 198
— Recording, by F. Druce	29
— Reports, The British	23
—, Solar Activity and	36
— Whims, by R. Inwards, 3, 63, 126; a Hundred years ago	203
Welch, J. H., Heavy Rain of July 21st, 1907	131
White, Miss M.	152, 215
Williams, L. H., Heavy Rain of July 21st, 1907	131
Wilson, J. Beetham, Heavy Rain of July 30th, 1907	133
Wilson-Barker, Capt. D., Aurora Borealis on February 9th	34
Wood, J. G., Audible Meteors	11
Wood, H. E., The Maximum Temperature of a Day	72

LIST OF ILLUSTRATIONS.

Portrait of Dr. A. Buchan	*Frontispiece*	
The High Barometer of January, 1907 (maps)	*face* page	1
The Butterfly-Hygroscope, Fig. 1	,,	3
,, ,, ,, 2	,,	4
Rain Gauge Exposure in the Transvaal, Figs. 1 and 2	,,	22
Qualitative Analysis of Curve Diagrams	,,	28
Solar Halo on February 6th	,,	36
Waterspouts in the Euxine, Figs. 1 and 2	,,	47
The Frog's Ladder	,,	63
Black Mountains (map)	,,	91
The Waun Fach Rain Gauge	,,	93
The Black Hill Ridge of the Black Mountains	,,	93
Temperature of June, 1907 (map)	,,	108
The Foil Hygroscope	,,	126
The "Public School" set of Meteorological Instruments	,,	138
Average Annual Duration of Sunshine (map)	*face* ,,	150
The Drought of September, 1907 (map)	,,	168
Diagram of the Surface Tension in a Drop of Water	,,	172
Flower Hygroscope	,,	187
Rainfall of October, 1907 (map)	,,	190
Temperature, Royal Observatory, Greenwich, 65 years, 1841–1905	*face* ,,	209